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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/804,426	03/18/2004	Kyoung Soo Moon	2080-3237	7236
35884 7590 11/12/2009 LEE, HONG, DEGERMAN, KANG & WAIMEY 660 S. FIGUEROA STREET Suite 2300 LOS ANGELES, CA 90017				
EXAMINER				
TEKLE, DANIEL T				
ART UNIT		PAPER NUMBER		
2621				
NOTIFICATION DATE		DELIVERY MODE		
11/12/2009		ELECTRONIC		

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

uspto@lhlaw.com  
ip.lhlaw@gmail.com  
ip.lhlaw@live.com

### Office Action Summary

**Application No.**

10/804,426

**Applicant(s)**

MOON, KYOUNG SOO

**Examiner**

DANIEL TEKLE

**Art Unit**

2621

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 02 July 2009.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-15 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-15 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SF/ICE)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_

**DETAILED ACTION**

***Response to Argument***

Applicant's arguments filed October 26, 2009 have been fully considered but they are not persuasive.

Applicant argues on page 6 line 8 from bottom-up of the remark, "Therefore, it is further respectfully submitted that Emura cannot be asserted as disclosing time correction data corresponding to a time difference between a first base time provided by the first channel and a second base time provided by the second channel, as recited in independent claim 1. Moreover, it is respectfully submitted that Emura is silent about a base time provided by a channel and time correction data corresponding to a time difference between base times provided by the channels, as recited in independent claim 11".

In response the examiner respectfully disagrees. Emura discloses time correction between two different broadcasting programs. Each broadcasting programs have a specific schedule base recording time and in according that if one program overlaps another program, the television program schedule information stored in the storing unit renewed (column 19 lines 42-65). Therefore the claim limitation correction a recording time or overlapping two different channel means is anticipated by Emura as explained above.

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim1-15 rejected under 35 U.S.C. 103(a) as being unpatentable over Knudson et al. (US 2005/0273819) and further in view of Emura (US 6,344,878).

**Regarding Claim 1:** Knudson et al. and Emura disclose a method for detecting an overlap of scheduled recording times, the method comprising: recognizing that there exists a first broadcasting program scheduled to record on a first channel and a second broadcasting program scheduled to record on a second channel (**fig. 13 of Knudson**); correcting a scheduled recording time of at least the first broadcasting program or the second broadcasting program according to time correction data corresponding to a time difference between a first base time provided by the first channel and a second base time provided by the second channel (**column 19 lines 42-63 of Emura**); detecting if that the scheduled recording times of the first broadcasting program and the second broadcasting overlap (**paragraph 0081 of Knudson**); and reporting information on the overlap (**paragraph 0081 of Knudson**).

It would have been obvious to one ordinary skill in the art at the time of the invention was made to combined Emura invention into Knudson et al. invention in order to correct a scheduling recording conflict.

**Regarding Claim 2:** Knudson et al. disclose a method according to claim 1, further comprising, calculating the time correction data (**paragraph 0082**).

**Regarding Claim 3:** Knudson et al. disclose a method according to claim 2, wherein calculating the time correction data comprises: setting, as a reference time, a base time

provided from a reference channel tuned first upon power up (**paragraph 0081**);  
obtaining base times provided from channels other than the reference channel (**0082**);  
and calculating the time correction data using the reference time and the base times  
(**paragraph 0082**).

**Regarding Claim 4:** Knudson et al. disclose a method according to claim 3, wherein  
calculating the time correction data further comprises: mapping the calculated time  
correction data to corresponding channels in one-to-one mapping and storing the  
mapped time correction data (**paragraph 0080**).

**Regarding Claim 5:** Knudson et al. disclose a method according to claim 3, wherein  
the reference channel is set in default by a user (**paragraph 0082**).

**Regarding Claim 6:** Knudson et al. disclose a method according to claim 3, wherein  
calculating the time correction data further comprises: storing the set reference time and  
the base times (**paragraph 0080**).

**Regarding Claim 7:** Knudson et al. disclose a method according to claim 3, wherein  
the calculated time correction data comprises time differences between the reference  
time and the base times (**paragraph 0081**).

**Regarding Claim 8:** Knudson et al. disclose a method according to claim 1, wherein  
the scheduled recording times comprise a record start time and a record end time  
(**paragraph 0081**).

**Regarding Claim 9:** Knudson et al. disclose a method according to claim 1, wherein  
correcting the scheduled recording time comprises the steps of: reading the time  
correction data corresponding to the first channel and second channel(**paragraph**

0080); and adding the read time correction data to the scheduled recording times of at least first broadcasting program or second broadcasting program(**paragraph 0081-0082**).

**Regarding Claim 10:** Knudson et al. disclose a method according to claim 1, wherein the information on the overlap is reported in the form of message or voice (**paragraph 0082**).

**Regarding Claim 11:** Claim 11 is rejected for the same subject matter as claims 1 and 2.

**Regarding Claim 12-15:** Claims 12-15 are rejected for the same subject matter as claims 3, 5, 7 and 9 respectively.

**THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to DANIEL TEKLE whose telephone number is (571)270-

1117. The examiner can normally be reached on 7:30am to 5:00pm M-R and 7:30-4:00  
Every other Friday..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Marsha D. Banks-Harold can be reached on 571-272-7905. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Marsha D. Banks-Harold/  
Supervisory Patent Examiner, Art Unit 2621

/Daniel Tekle/  
Examiner, Art Unit 2621